

AIA-The Atmospheric Imagine Assembly

Measuring the Sun's Surface, Chromosphere,
Transition Region, and Corona using visible and
extreme Ultra-violet light.

Alan Title PI

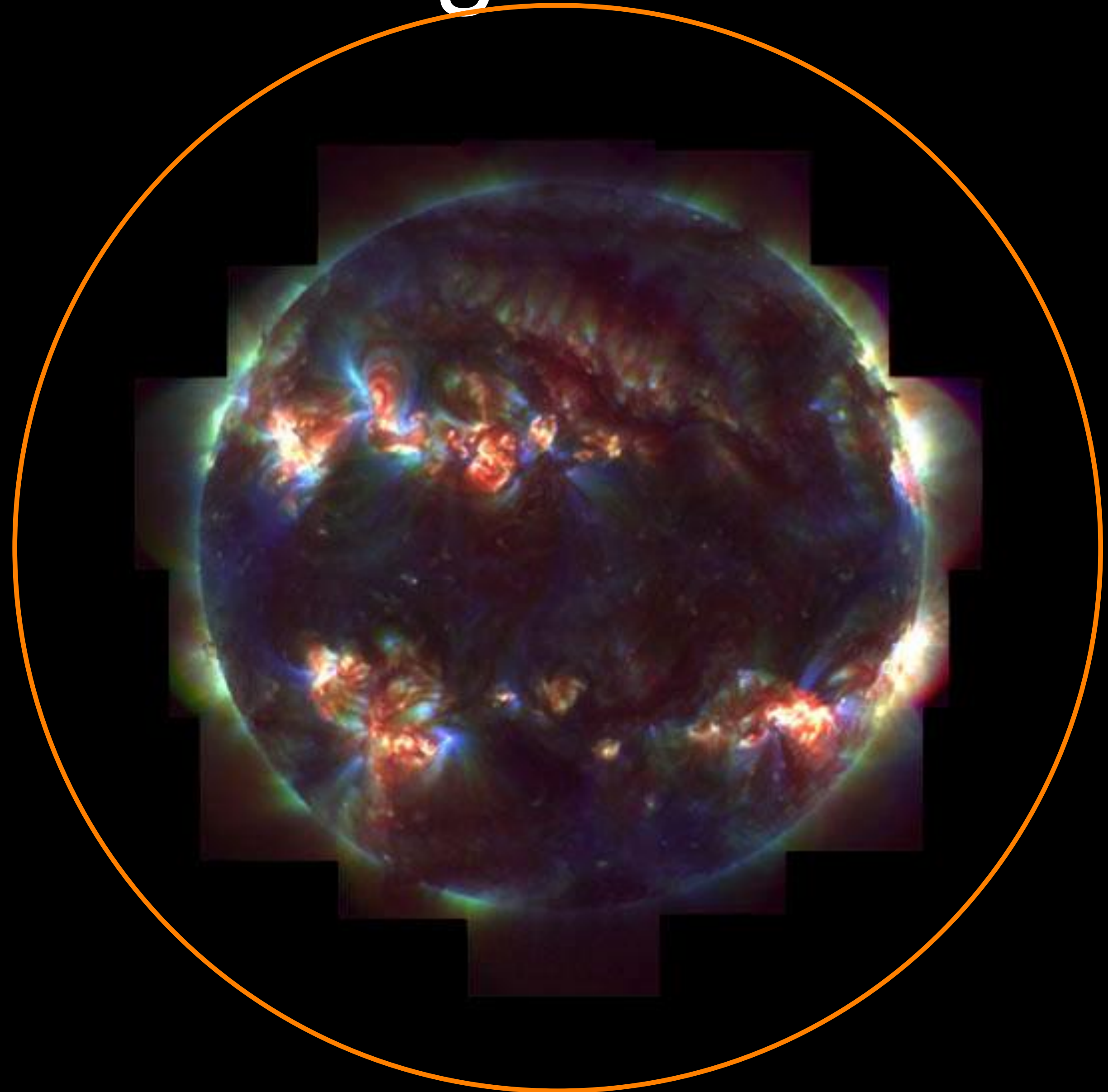
Representing the Lockheed Martin Advanced Technology Center Instrument
and Science Teams, Smithsonian Astrophysical Observatory, and Stanford
University

Briefly

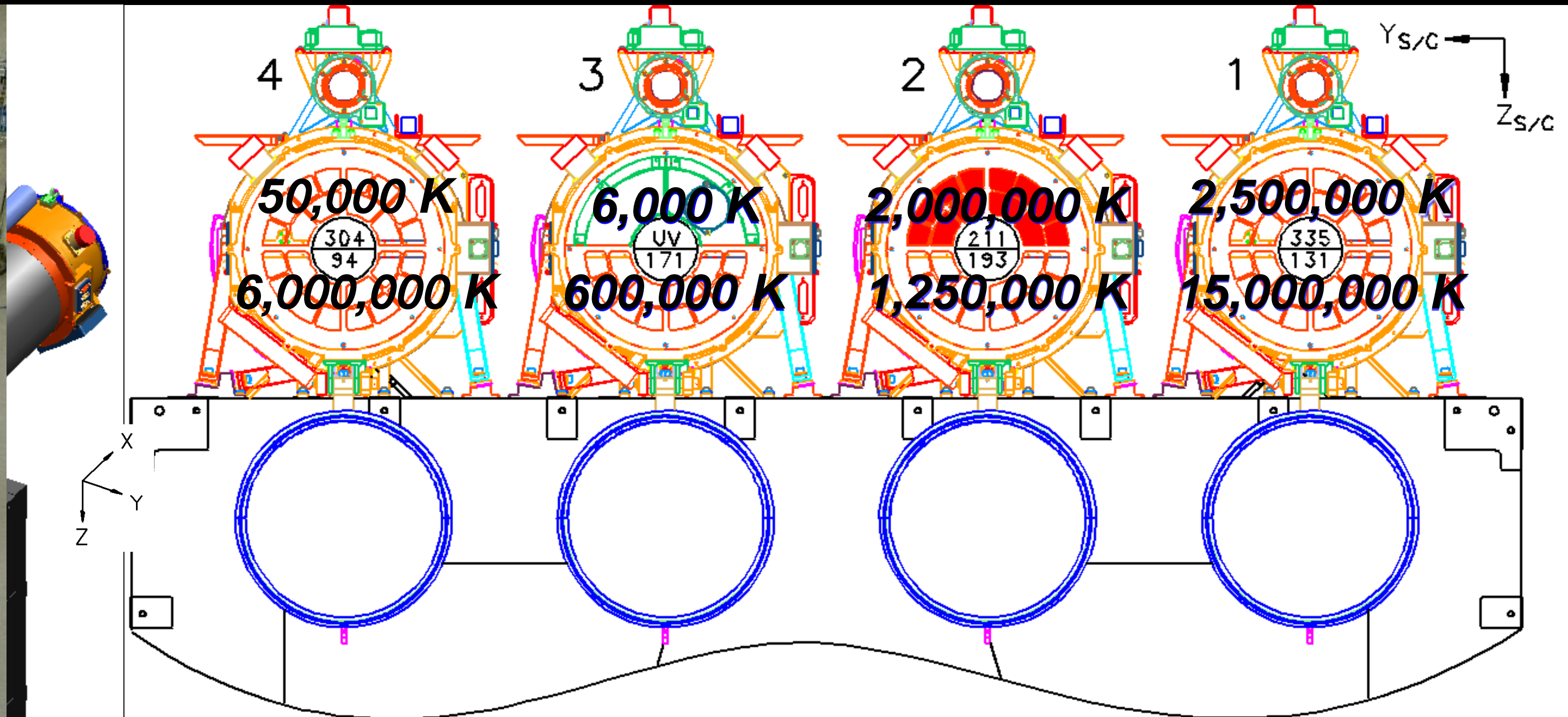
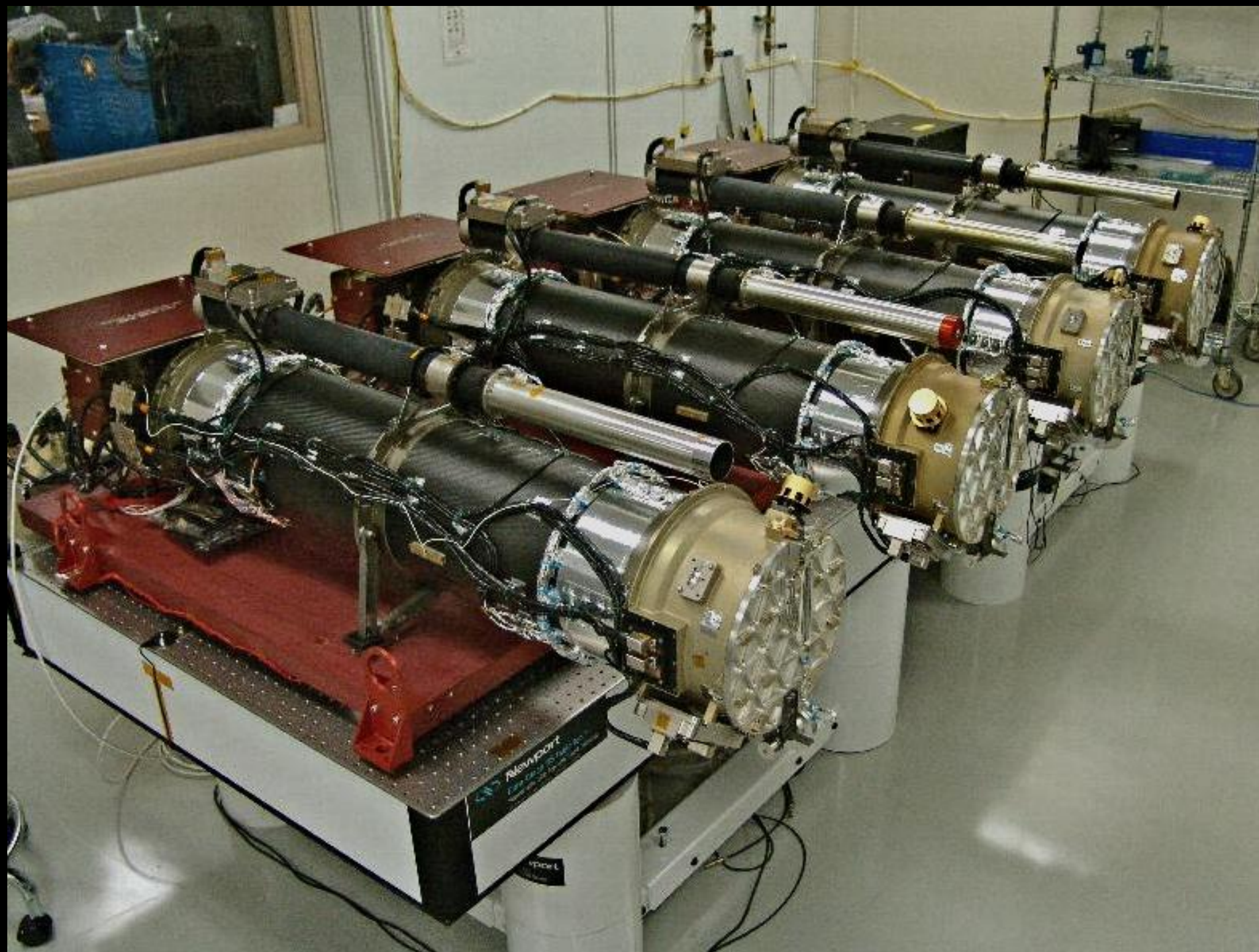
- What is AIA?
- What does it do?
- What should we learn?
- Where is the data?

AIA is a Full Sun Imager

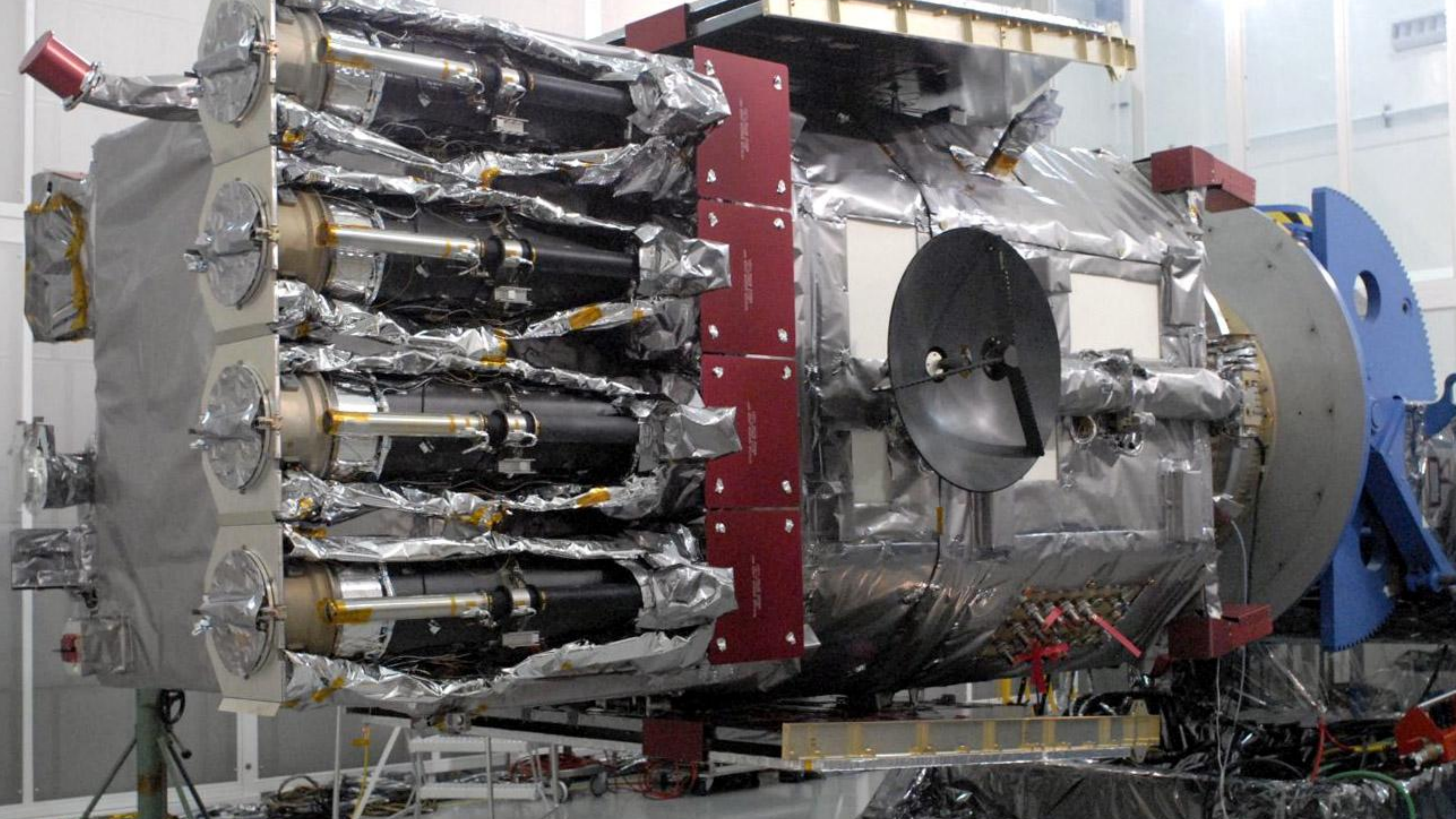
- The Field of View (indicated by the **orange** circle) is 41 arc minutes or to about 120,000 miles above the Solar surface.
- This allows observation of 96% of the x-Ray radiance.
- AIA will observe ~98% of the emission in EVE's field of view.
- Each AIA image will covers 25 times more of the Sun than TRACE.



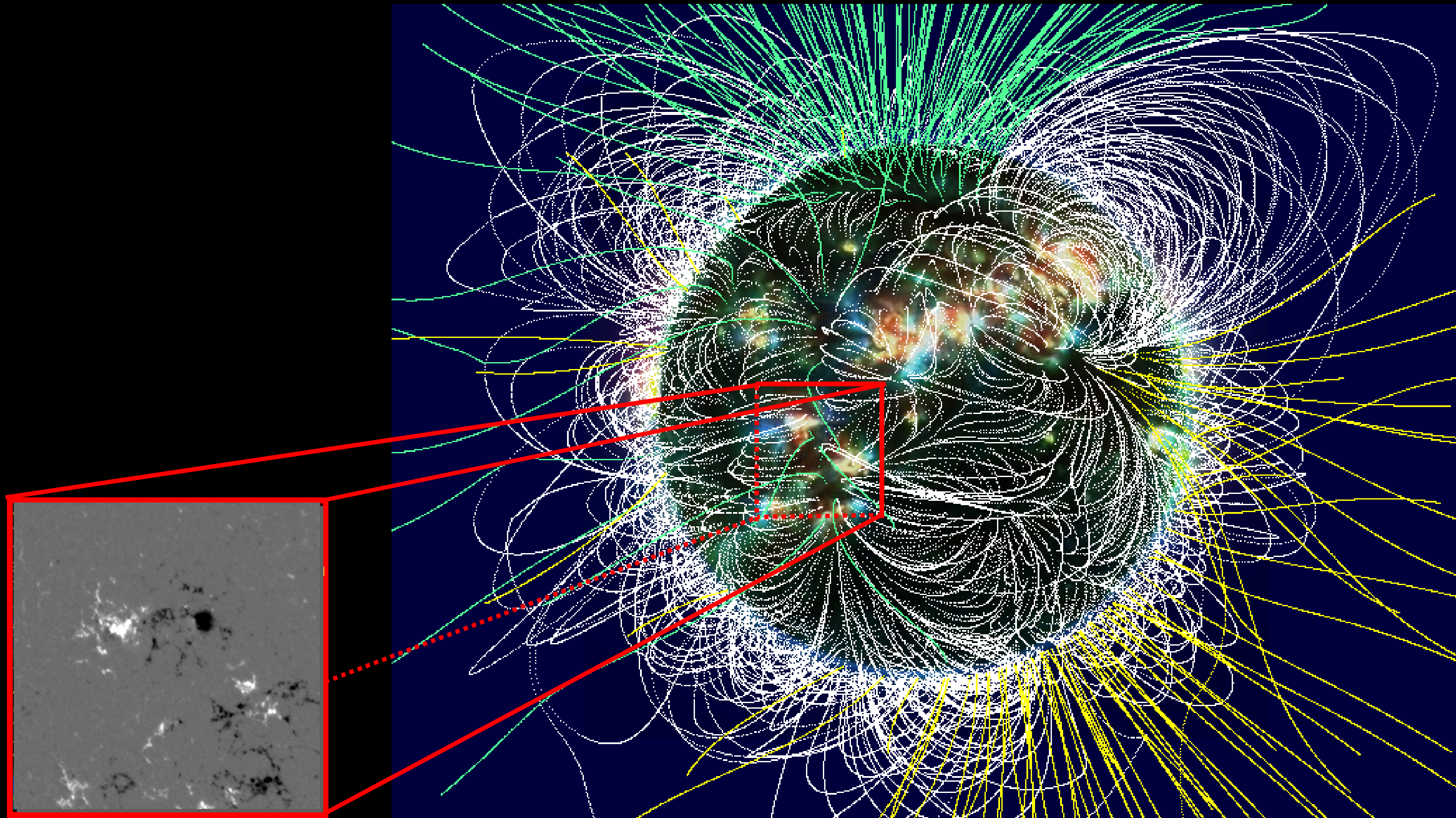
Four Dual Temperature Telescopes



AIA takes Full Disk Solar Images with all telescopes every ten seconds



AIA and HMI Together Provide Data from the Solar Interior to the Heliosphere



From Sunlight to Science

